FIG. 1

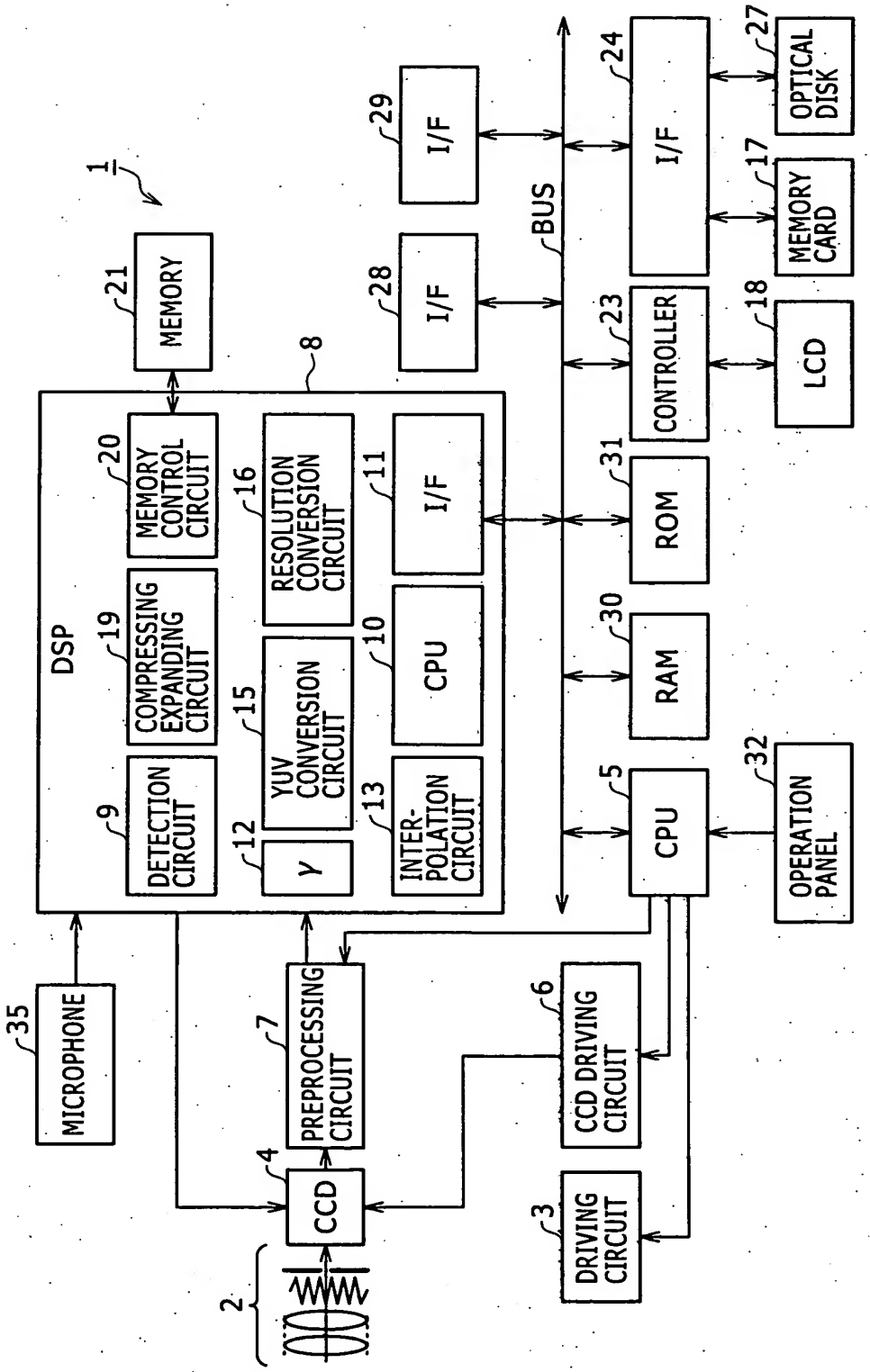

1
2
3
4
5
6
7
8
9
10
11
12
13
15
16
17
18
19
20
21
23
24
27
28
29
30
31
32
35
DSP
MEMORY
MEMORY CONTROL CIRCUIT
COMPRESSING EXPANDING CIRCUIT
DETECTION CIRCUIT
γ
YUV CONVERSION CIRCUIT
INTER-POLATION CIRCUIT
RESOLUTION CONVERSION CIRCUIT
CPU
I/F
BUS
I/F
I/F
I/F
CONTROLLER
ROM
RAM
CPU
LCD
MEMORY CARD
OPTICAL DISK
OPERATION PANEL
MICROPHONE
PREPROCESSING CIRCUIT
CCD
CCD DRIVING CIRCUIT
DRIVING CIRCUIT

FIG. 2

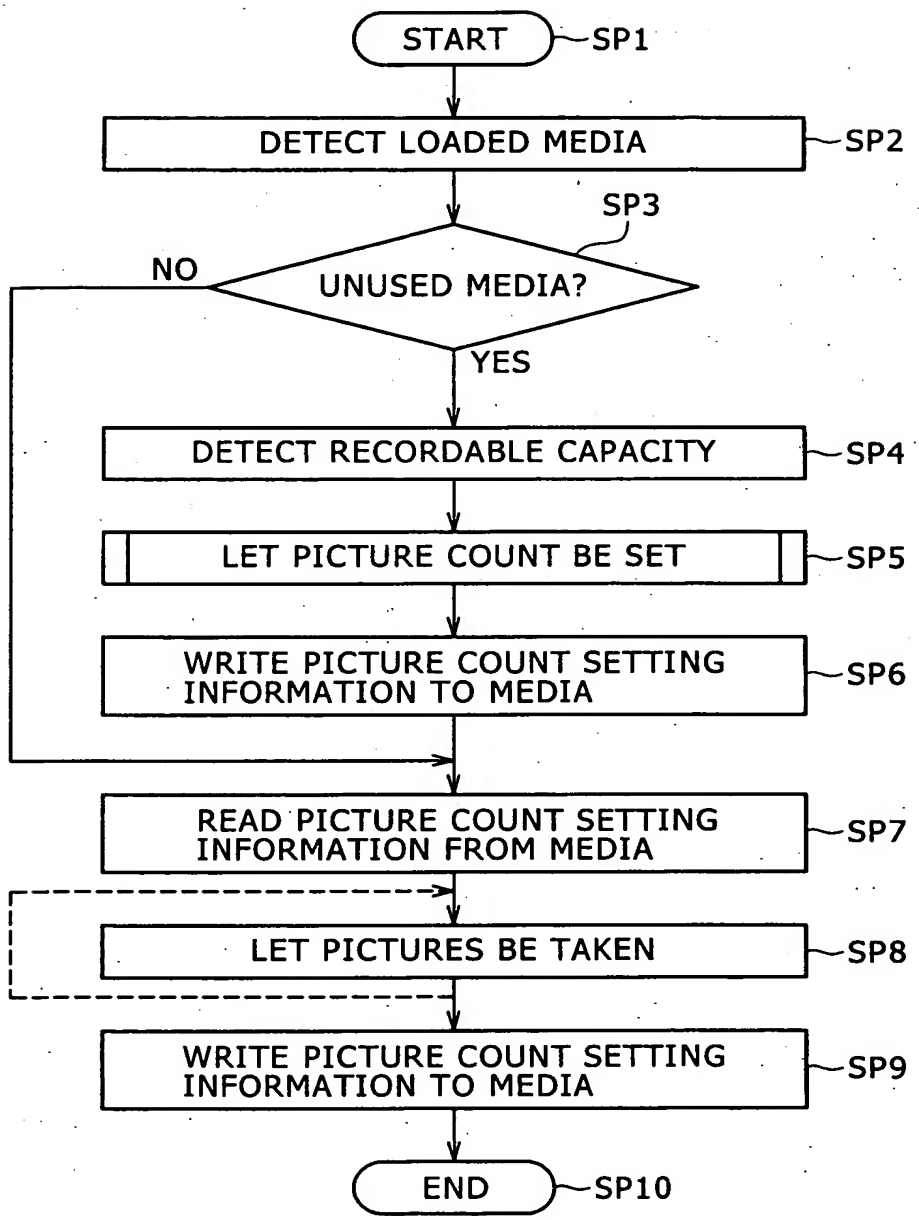

START
SP1
DETECT LOADED MEDIA
SP2
SP3
NO
UNUSED MEDIA?
YES
DETECT RECORDABLE CAPACITY
SP4
LET PICTURE COUNT BE SET
SP5
WRITE PICTURE COUNT SETTING INFORMATION TO MEDIA
SP6
READ PICTURE COUNT SETTING INFORMATION FROM MEDIA
SP7
LET PICTURES BE TAKEN
SP8
WRITE PICTURE COUNT SETTING INFORMATION TO MEDIA
SP9
END
SP10

FIG. 3

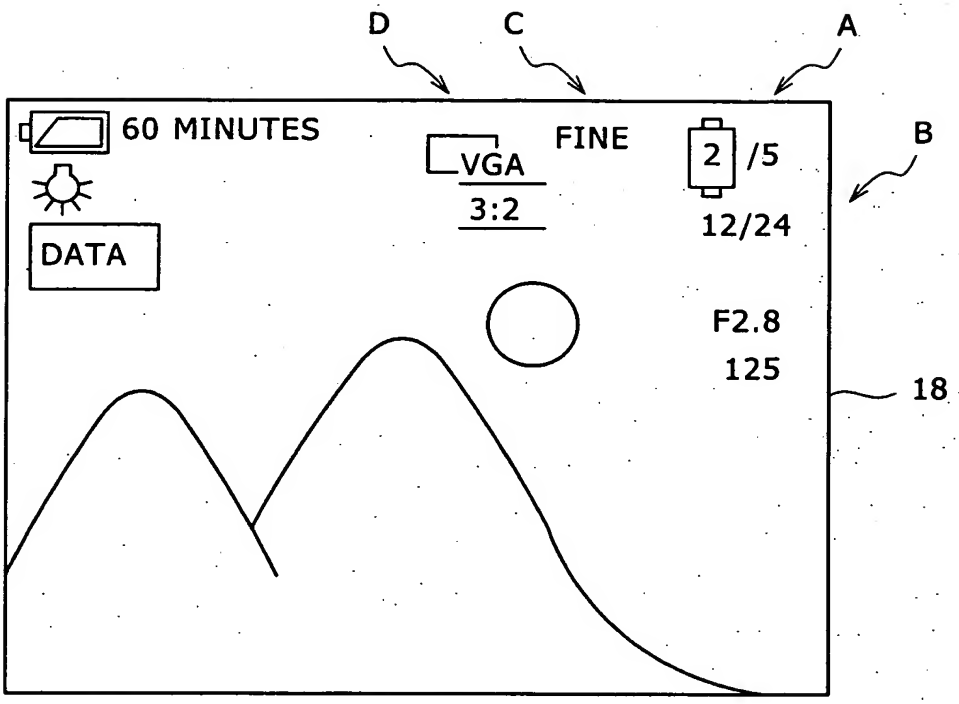


FIG. 4

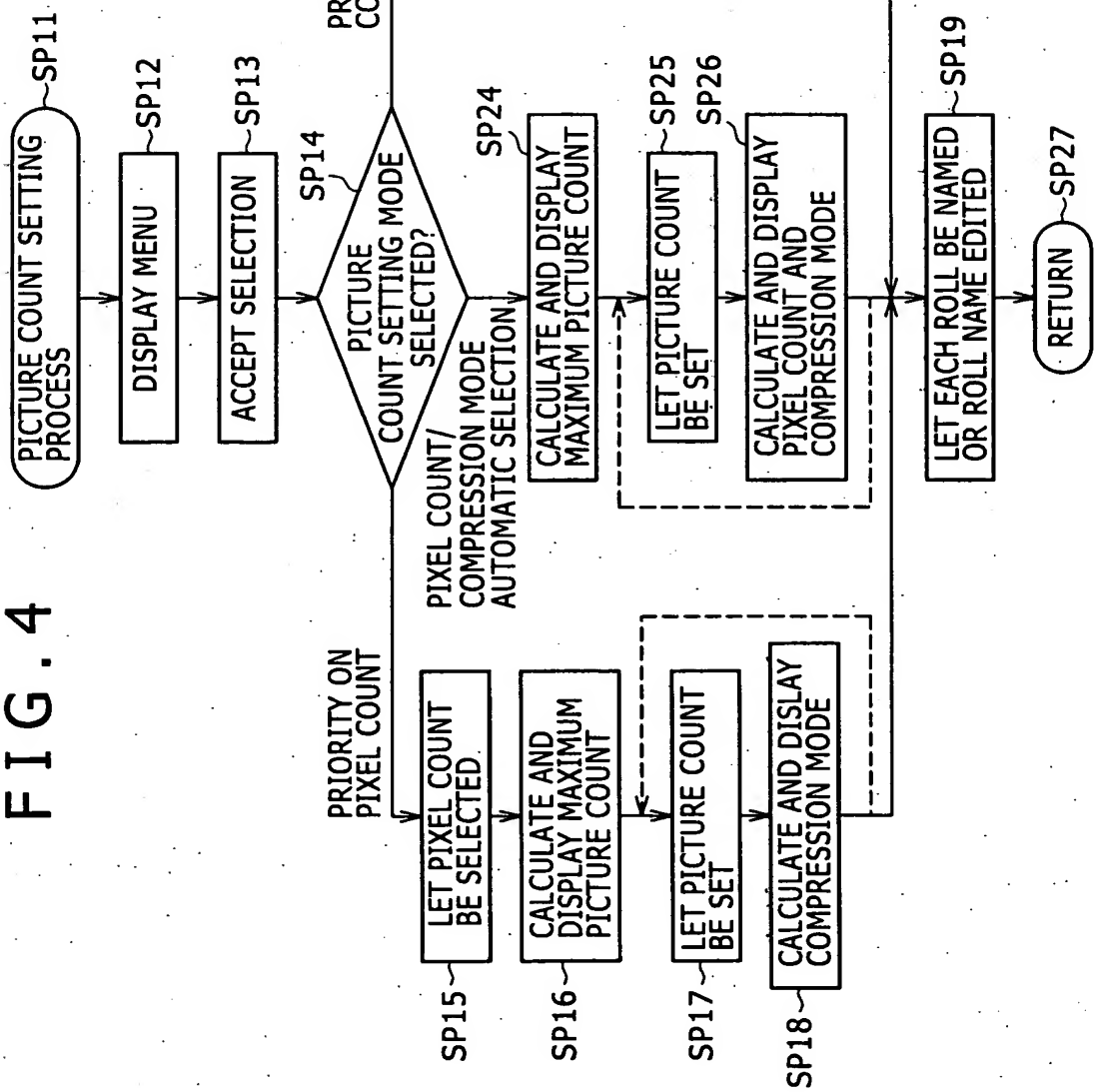

PICTURE COUNT SETTING PROCESS
SP11
DISPLAY MENU
SP12
ACCEPT SELECTION
SP13
PICTURE COUNT SETTING MODE SELECTED?
SP14
PRIORITY ON COMPRESSION MODE
PIXEL COUNT/ COMPRESSION MODE AUTOMATIC SELECTION
PRIORITY ON PIXEL COUNT
LET COMPRESSION MODE BE SELECTED
SP20
CALCULATE AND DISPLAY MAXIMUM PICTURE COUNT
SP21
LET PICTURE COUNT BE SET
SP22
CALCULATE AND DISPLAY PIXEL COUNT
SP23
CALCULATE AND DISPLAY MAXIMUM PICTURE COUNT
SP24
LET PICTURE COUNT BE SET
SP25
CALCULATE AND DISPLAY PIXEL COUNT AND COMPRESSION MODE
SP26
LET PIXEL COUNT BE SELECTED
SP15
CALCULATE AND DISPLAY MAXIMUM PICTURE COUNT
SP16
LET PICTURE COUNT BE SET
SP17
CALCULATE AND DISLAY COMPRESSION MODE
SP18
LET EACH ROLL BE NAMED OR ROLL NAME EDITED
SP19
RETURN
SP27

FIG. 5

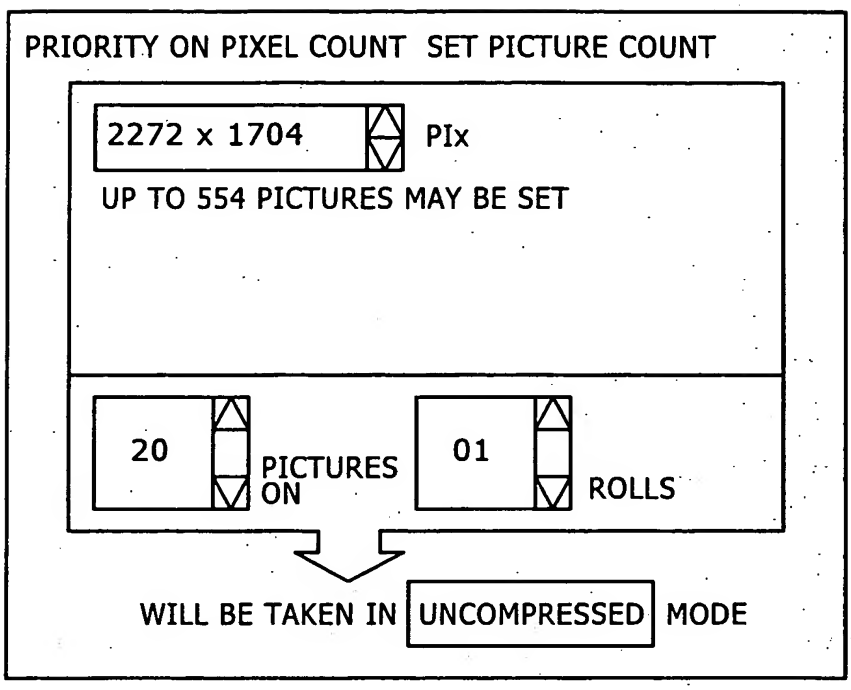



FIG. 6

| PIXEL COUNT | DATA COMPRESSION | | |
|---|---|---|---|
| | UNCOM-PRESSED | FINE | STANDERD |
| 2272 x 1704 | 11.076M | 1.231M | 0.462M |
| 1600 x 1200 | 5.493M | 0.610M | 0.229M |
| 1024 x 960 | 2.813M | 0.313M | 0.117M |
| 640 x 480 | 0.879M | 0.098M (COMPRESSION RATE 3) | 0.037M (COMPRESSION RATE 8) |

FIG. 7

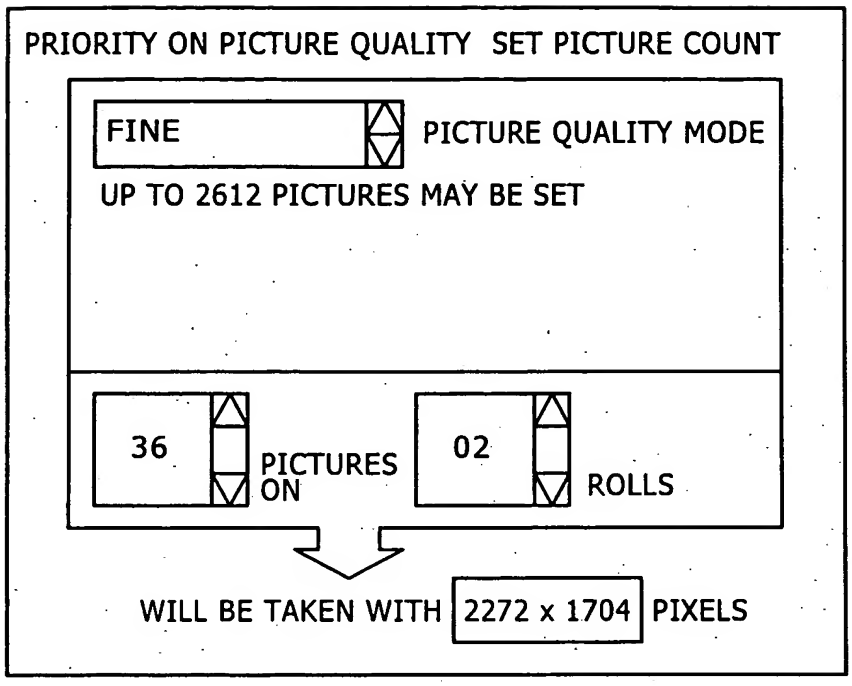

PRIORITY ON PICTURE QUALITY SET PICTURE COUNT
FINE
PICTURE QUALITY MODE
UP TO 2612 PICTURES MAY BE SET
36
PICTURES ON
02
ROLLS
WILL BE TAKEN WITH
2272 x 1704
PIXELS

FIG. 8

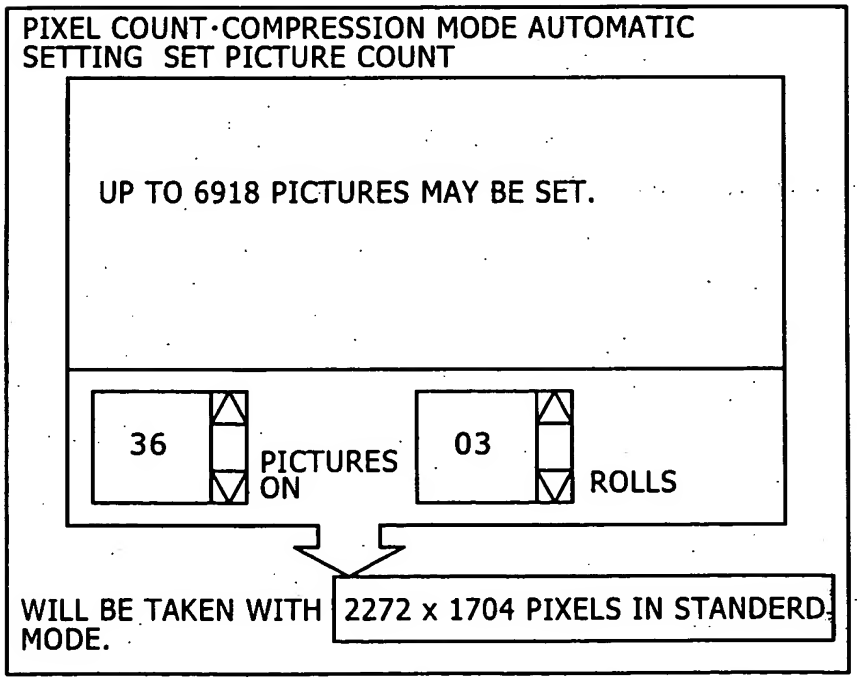

PIXEL COUNT·COMPRESSION MODE AUTOMATIC SETTING SET PICTURE COUNT
UP TO 6918 PICTURES MAY BE SET.
36
PICTURES ON
03
ROLLS
WILL BE TAKEN WITH
2272 x 1704 PIXELS IN STANDERD MODE.

FIG. 9

| DATA SIZE | PIXEL COUNT | COMPRESSION MODE |
|---|---|---|
| 0.037M | 640 x 480 | STANDERD |
| 0.098M | 640 x 480 | FINE |
| 0.117M | 1024 x 960 | STANDERD |
| 0.229M | 1600 x 1200 | STANDERD |
| 0.313M | 1024 x 960 | FINE |
| 0.462M | 2272 x 1704 | STANDERD |
| 0.610M | 1600 x 1200 | FINE |
| 0.879M | 640 x 480 | UNCOMPRESSED |
| 1.231M | 2272 x 1704 | FINE |
| 2.813M | 1024 x 960 | UNCOMPRESSED |
| 5.493M | 1600 x 1200 | UNCOMPRESSED |
| 11.076M | 2272 x 1704 | UNCOMPRESSED |

FIG. 10

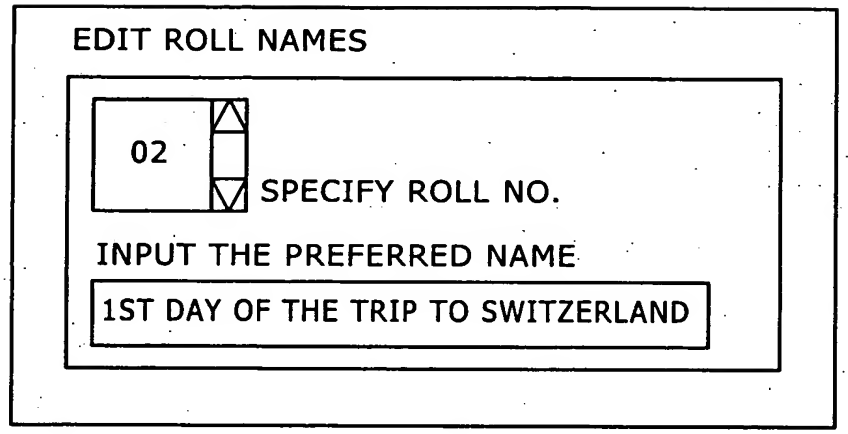

EDIT ROLL NAMES
02
SPECIFY ROLL NO.
INPUT THE PREFERRED NAME
1ST DAY OF THE TRIP TO SWITZERLAND

FIG. 11

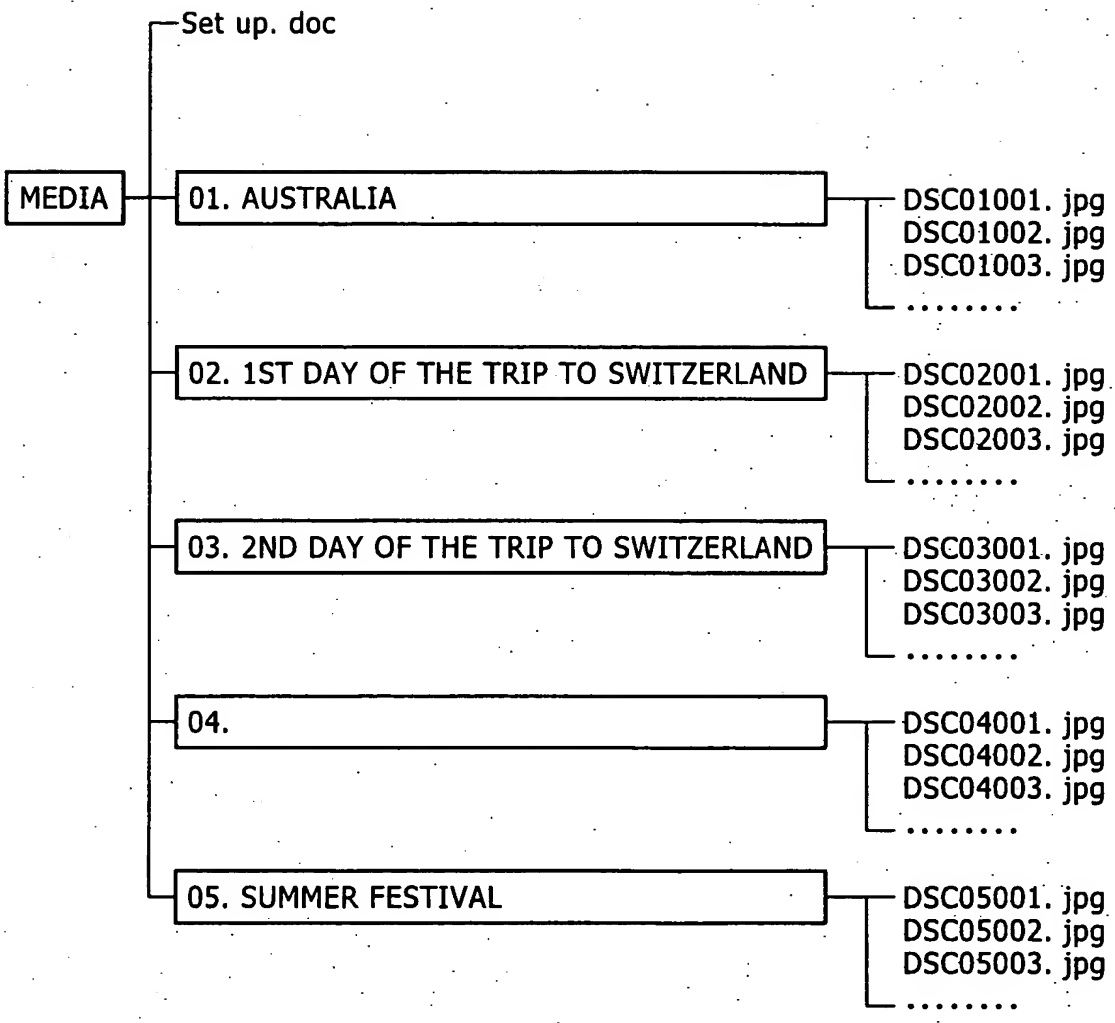

Set up. doc
MEDIA
01. AUSTRALIA
DSC01001. jpg
DSC01002. jpg
DSC01003. jpg
.....
02. 1ST DAY OF THE TRIP TO SWITZERLAND
DSC02001. jpg
DSC02002. jpg
DSC02003. jpg
.....
03. 2ND DAY OF THE TRIP TO SWITZERLAND
DSC03001. jpg
DSC03002. jpg
DSC03003. jpg
.....
04.
DSC04001. jpg
DSC04002. jpg
DSC04003. jpg
.....
05. SUMMER FESTIVAL
DSC05001. jpg
DSC05002. jpg
DSC05003. jpg
.....

FIG. 12

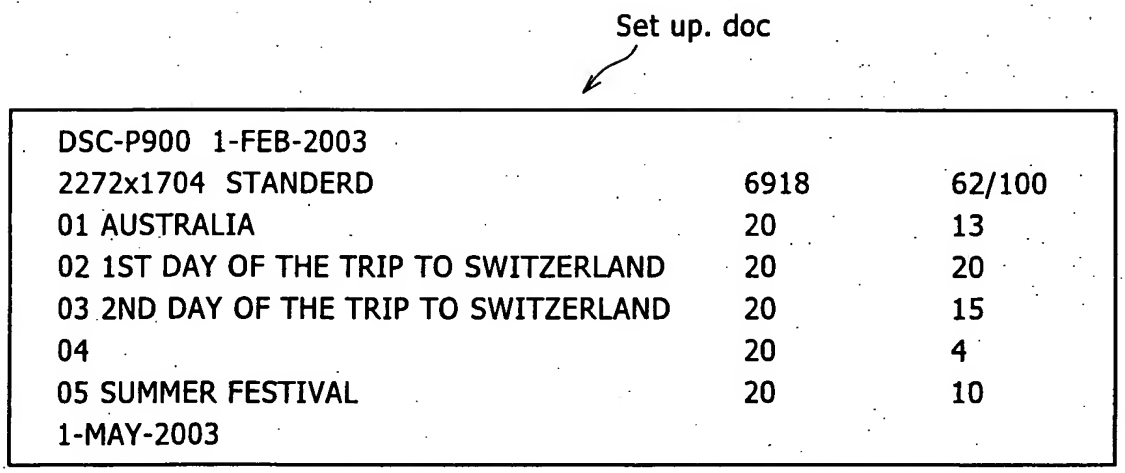

Set up. doc
DSC-P900 1-FEB-2003
2272x1704 STANDERD 6918 62/100
01 AUSTRALIA 20 13
02 1ST DAY OF THE TRIP TO SWITZERLAND 20 20
03 2ND DAY OF THE TRIP TO SWITZERLAND 20 15
04 20 4
05 SUMMER FESTIVAL 20 10
1-MAY-2003

FIG. 13

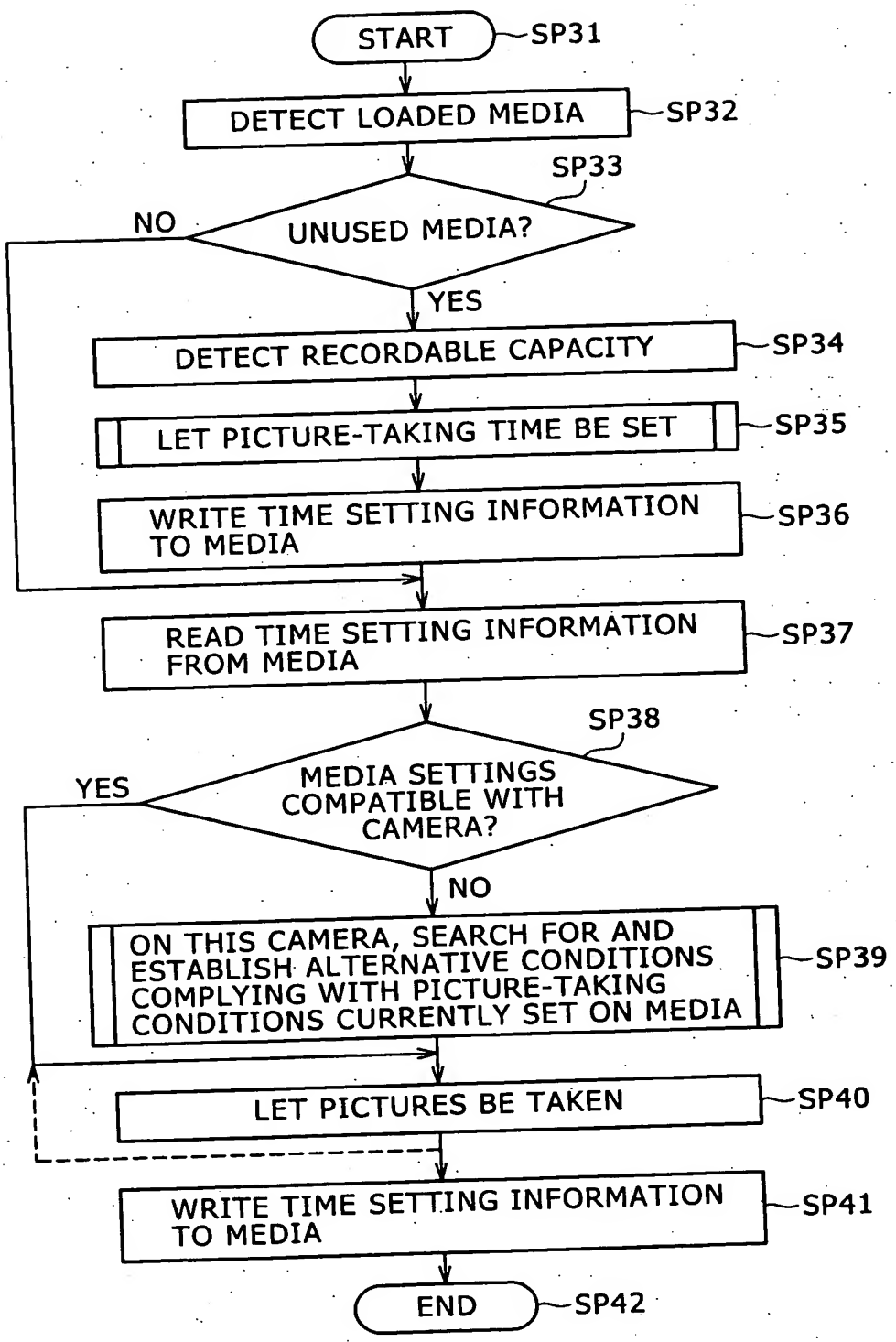

START
SP31
DETECT LOADED MEDIA
SP32
SP33
UNUSED MEDIA?
NO
YES
DETECT RECORDABLE CAPACITY
SP34
LET PICTURE-TAKING TIME BE SET
SP35
WRITE TIME SETTING INFORMATION TO MEDIA
SP36
READ TIME SETTING INFORMATION FROM MEDIA
SP37
SP38
MEDIA SETTINGS COMPATIBLE WITH CAMERA?
YES
NO
ON THIS CAMERA, SEARCH FOR AND ESTABLISH ALTERNATIVE CONDITIONS COMPLYING WITH PICTURE-TAKING CONDITIONS CURRENTLY SET ON MEDIA
SP39
LET PICTURES BE TAKEN
SP40
WRITE TIME SETTING INFORMATION TO MEDIA
SP41
END
SP42

FIG. 14

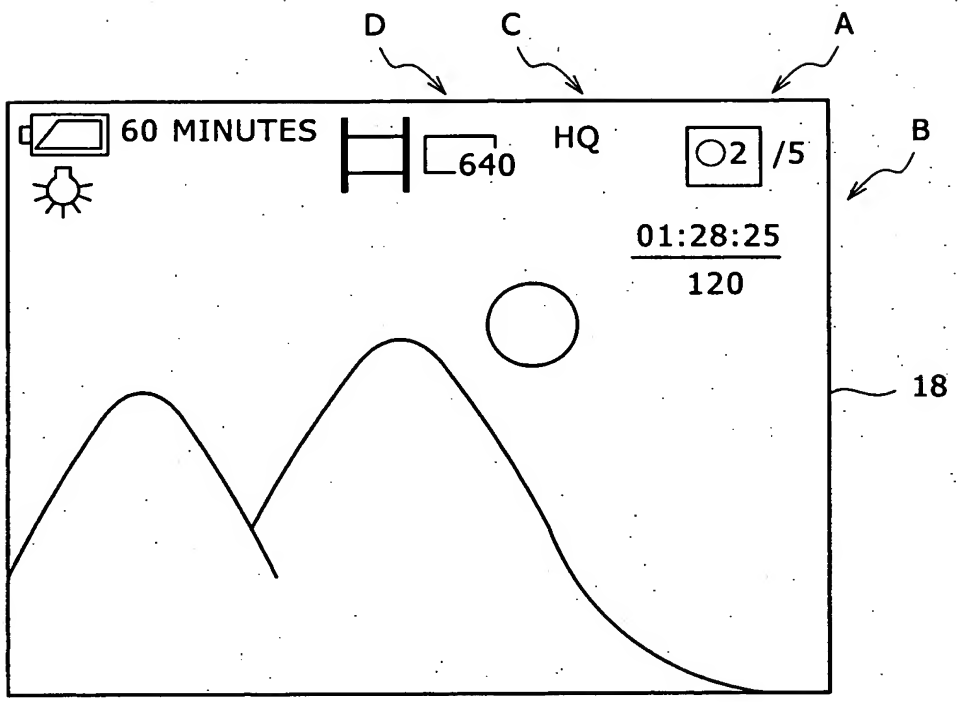


FIG. 15

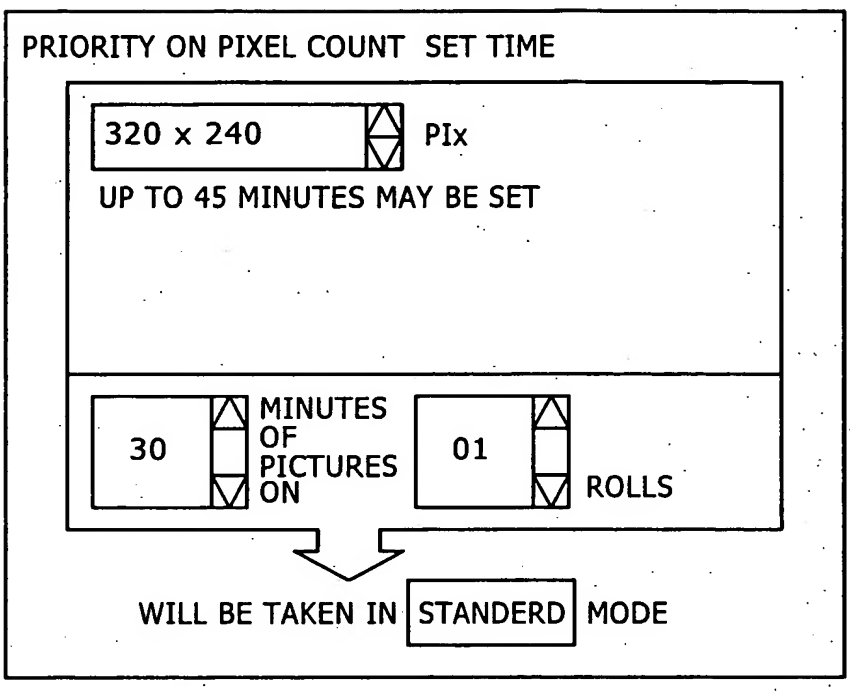



FIG. 16

| DATA SIZE | PICTURE COUNT | COMPRESSION MODE |
|---|---|---|
| 1.42M | 160 x 120 | STANDERD |
| 2.84M | 160 x 120 | HQ |
| 5.69M | 320 x 240 | STANDERD |
| 23.3M (PER MIN.) | 320 x 240 | HQ |

FIG. 17

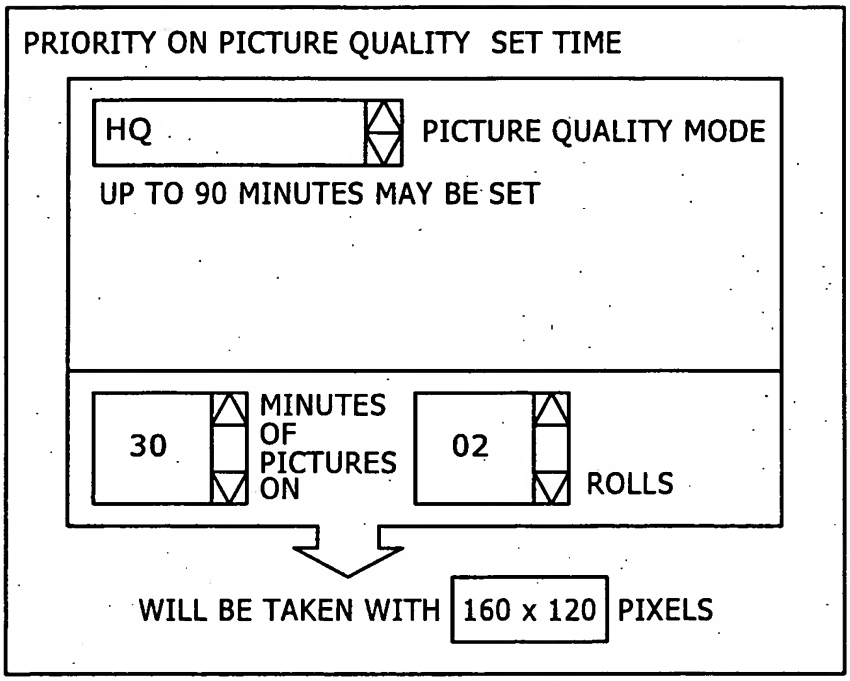

PRIORITY ON PICTURE QUALITY SET TIME
HQ
PICTURE QUALITY MODE
UP TO 90 MINUTES MAY BE SET
30
MINUTES OF PICTURES ON
02
ROLLS
WILL BE TAKEN WITH
160 x 120
PIXELS

FIG. 18

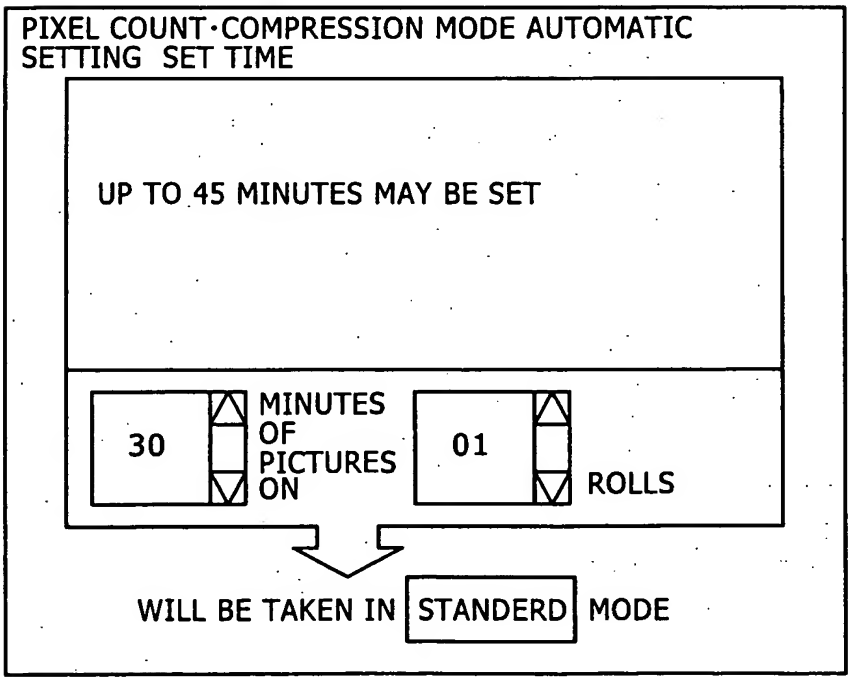

PIXEL COUNT·COMPRESSION MODE AUTOMATIC SETTING SET TIME
UP TO 45 MINUTES MAY BE SET
30
MINUTES OF PICTURES ON
01
ROLLS
WILL BE TAKEN IN
STANDERD
MODE

FIG. 19

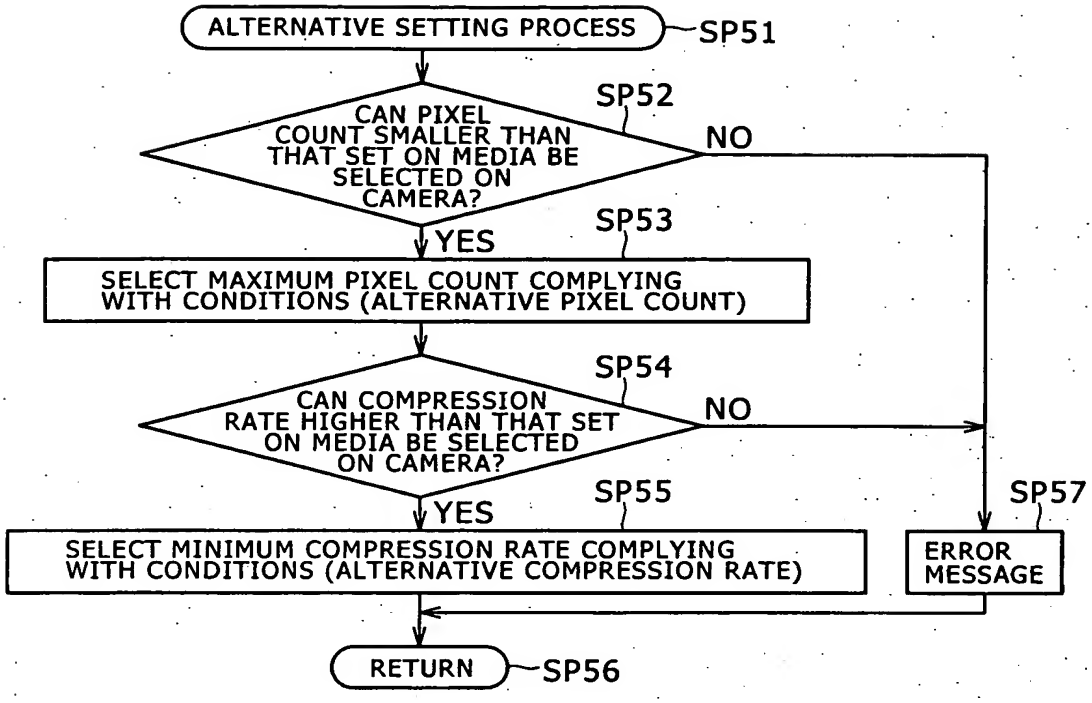

ALTERNATIVE SETTING PROCESS
SP51
CAN PIXEL COUNT SMALLER THAN THAT SET ON MEDIA BE SELECTED ON CAMERA?
SP52
NO
YES
SP53
SELECT MAXIMUM PIXEL COUNT COMPLYING WITH CONDITIONS (ALTERNATIVE PIXEL COUNT)
CAN COMPRESSION RATE HIGHER THAN THAT SET ON MEDIA BE SELECTED ON CAMERA?
SP54
NO
YES
SP55
SELECT MINIMUM COMPRESSION RATE COMPLYING WITH CONDITIONS (ALTERNATIVE COMPRESSION RATE)
SP57
ERROR MESSAGE
RETURN
SP56

FIG. 20

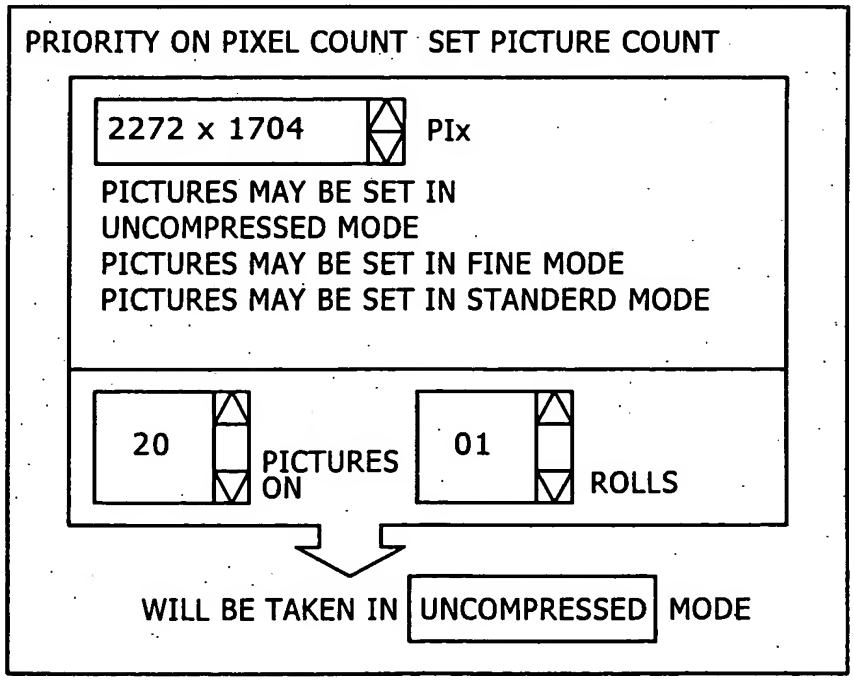

PRIORITY ON PIXEL COUNT SET PICTURE COUNT
2272 x 1704
PIx
PICTURES MAY BE SET IN UNCOMPRESSED MODE
PICTURES MAY BE SET IN FINE MODE
PICTURES MAY BE SET IN STANDERD MODE
20
PICTURES ON
01
ROLLS
WILL BE TAKEN IN
UNCOMPRESSED
MODE

FIG. 21

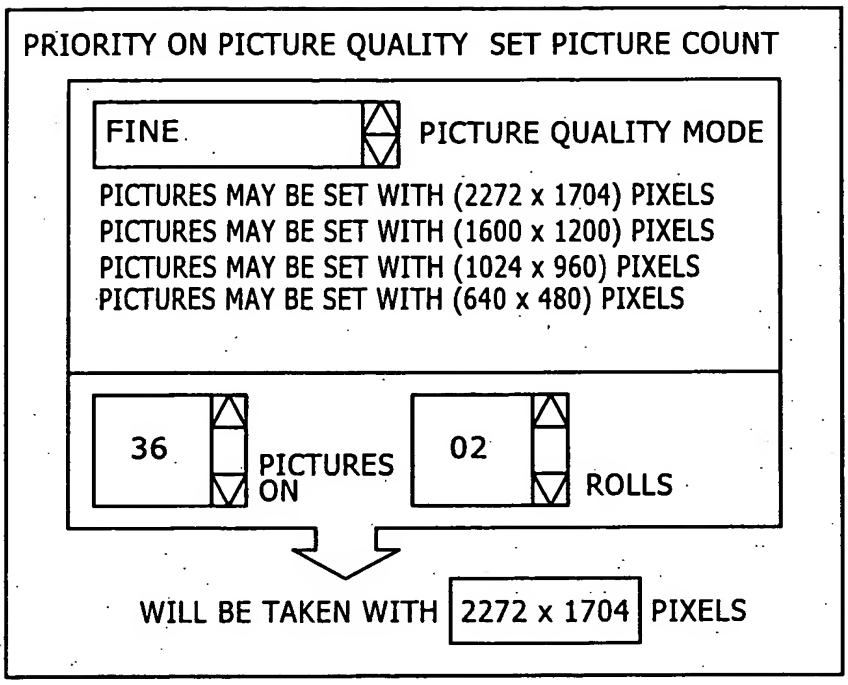

PRIORITY ON PICTURE QUALITY SET PICTURE COUNT
FINE
PICTURE QUALITY MODE
PICTURES MAY BE SET WITH (2272 x 1704) PIXELS
PICTURES MAY BE SET WITH (1600 x 1200) PIXELS
PICTURES MAY BE SET WITH (1024 x 960) PIXELS
PICTURES MAY BE SET WITH (640 x 480) PIXELS
36
PICTURES ON
02
ROLLS
WILL BE TAKEN WITH
2272 x 1704
PIXELS

FIG. 22

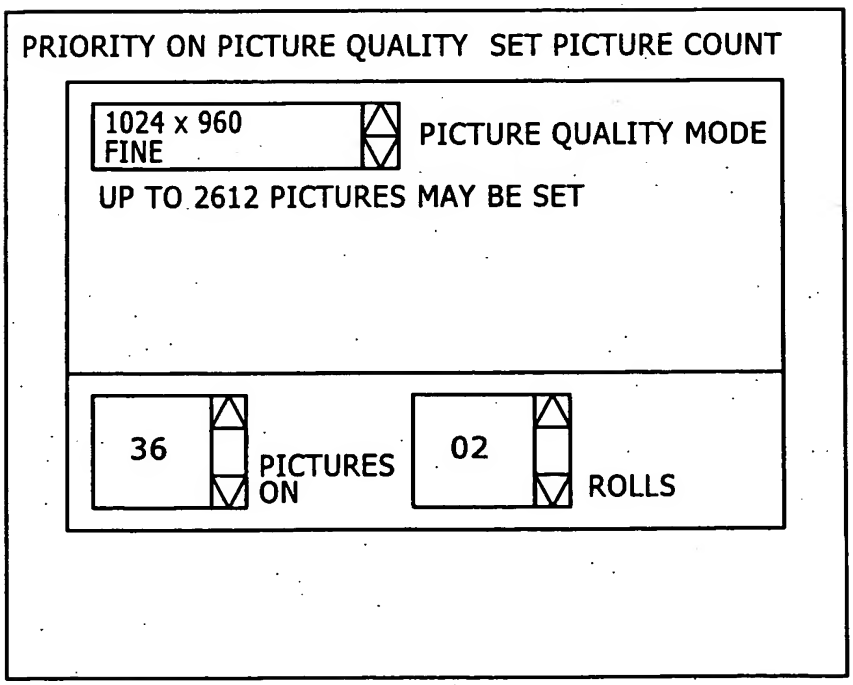

PRIORITY ON PICTURE QUALITY SET PICTURE COUNT
1024 x 960
FINE
PICTURE QUALITY MODE
UP TO 2612 PICTURES MAY BE SET
36
PICTURES ON
02
ROLLS

FIG 23

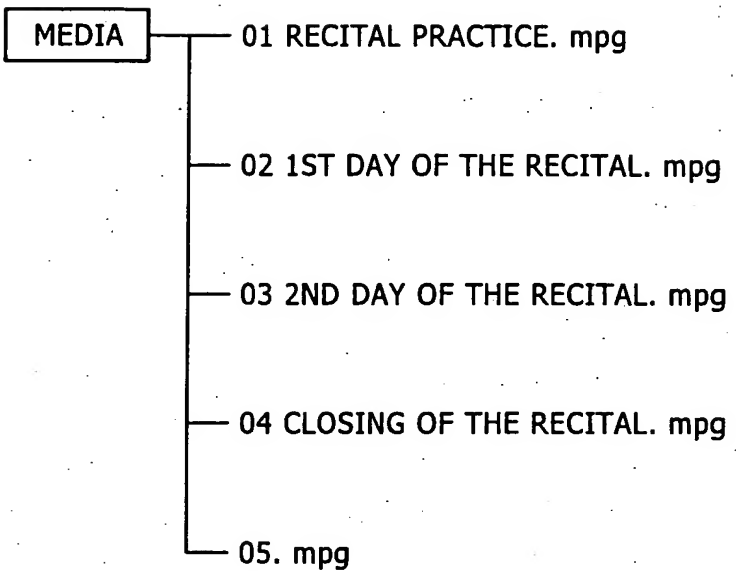
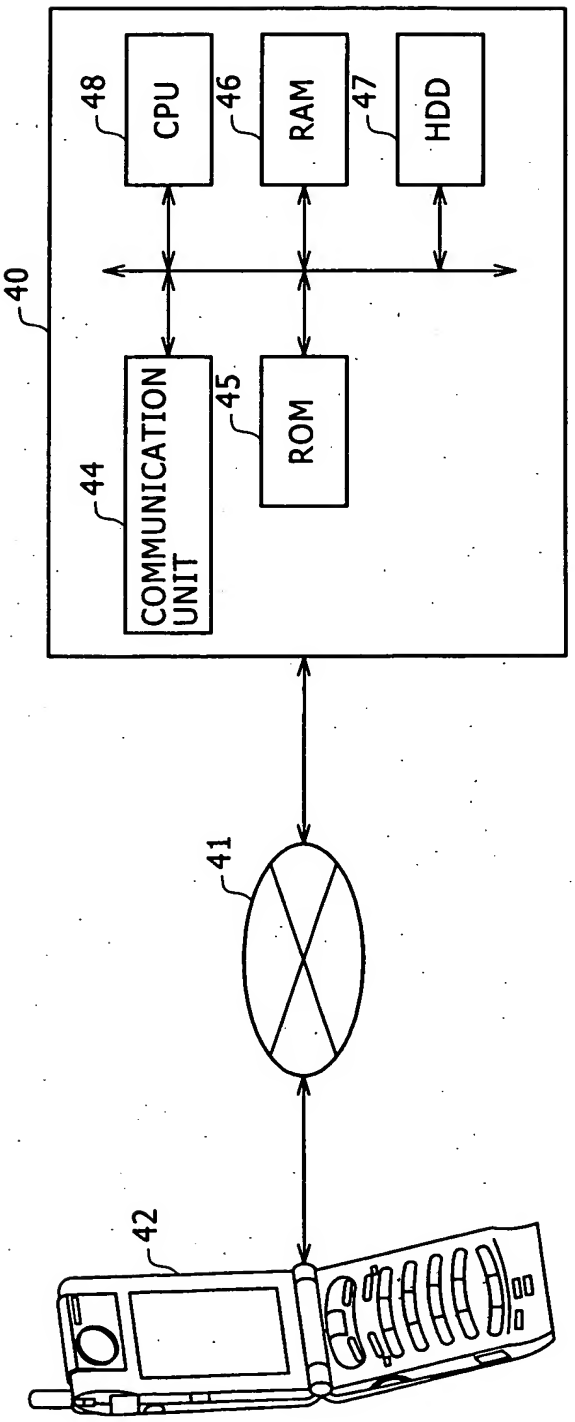

MEDIA
01 RECITAL PRACTICE. mpg
02 1ST DAY OF THE RECITAL. mpg
03 2ND DAY OF THE RECITAL. mpg
04 CLOSING OF THE RECITAL. mpg
05. mpg

FIG. 24



DESCRIPTION OF REFERENCE SYMBOLS

1: DIGITAL STILL CAMERA
2: OPTICAL SYSTEM
3: DRIVING CIRCUIT
4: CCD (CHARGE COUPLED DEVICE) IMAGING DEVICE
5, 10, 48: CENTRAL PROCESSING UNIT
6: CCD DRIVING UNIT
7: PREPROCESSING CIRCUIT
8: DIGITAL SIGNAL PROCESSOR
9: DETECTION CIRCUIT
11, 24, 28, 29: INTERFACE
12: GAMMA CORRECTION CIRCUIT
13: INTERPOLATION CIRCUIT
15: YUV CONVERSION CIRCUIT
16: RESOLUTION CONVERSION CIRCUIT
17: MEMORY CARD
18: LIQUID CRYSTAL DISPLAY
19: COMPRESSING EXPANDING CIRCUIT
20: MEMORY CONTROL CIRCUIT
21: MEMORY
23: CONTROLLER
27: OPTICAL DISK
30, 46: RANDOM ACCESS MEMORY
31, 45: READ-ONLY MEMORY
32: OPERATION PANEL
35: MICROPHONE
40: SERVER
41: NETWORK
42: MOBILE PHONE
44: COMMUNICATION UNIT
47: HARD DISK DRIVE
BUS